G-106T

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REILLY TAR & CHEMICAL CORPORATION

Mr. C. F. Lesher - Indpls.

Mr. W. A. Justin

Phenol Reduction

St. Louis Park

April 15, 1971

I recently had our laboratory perform an experiment to determine the effects of ultra violet light as a means of accelerating the oxidation of phenols.

Although the application may not be practical the results may be of interest to you.

Sample #1 42 hrs.-Ultra violet light - 7.0 Ph - 1.5p.p.m.

Sample #2 7.0 Ph in dark 42 hrs. - 8 p.p.m.

Sample #3 42 hrs.-Ultra violtet light - 10.0 Ph - 7.3 p.p.m.

Sample #4 10.0 Ph run immediately - 13.5 p.p.m. *

Sample #5 10.0 Ph in dark, 42 hrs. - 12.9 p.p.m.

* Standard Sample

Very truly yours,

W. A. Justin

WAJ:sjj

cc: H. L. Finch - Office